

# METHOD OF PROCESSING AN IMAGE FOR DISPLAY AND SYSTEM OF SAME

## ABSTRACT OF THE DISCLOSURE

5           A method for processing a digital signal to enhance the resolution is disclosed. An embodiment provides for a method of processing an image for display on a display having sub-pixel display capability. The method first maps a plurality sub-pixels of the display to corresponding regions of the image. Each sub-pixel may be mapped to a unique region of the image. Next, the  
10   method accesses the image, which was sampled to have a higher spatial resolution than the spatial resolution of the display. Then, for each sub-pixel of the display, the method calculates an intensity value for one color of a plurality of colors in the image. The calculation may be based on the intensity of that color alone. Finally, the method causes the sub-pixels on the output display to  
15   display the colors in proportion to the calculated intensities.